European Journal of Pharmacology, 217 (1992) 229–231
© 1992 Elsevier Science Publishers B.V. All rights reserved 0014-2999/92/$05.00

Author index

Aaronson, P.I., see Smirnov, S.V. (217) 105
Abdelrahman, A. and Pang, C.C.Y.
Calcitonin gene-related peptide is a venous dilator in conscious rats (217) 185
Abraham, W.M., Ahmed, A., Cortes, A., Sielczak, M.W., Hinz, W., Bouska, J., Lanni, C. and Bell, R.L.
The 5-lipoxygenase inhibitor zileuton blocks antigen-induced late airway responses, inflammation and airway hyperresponsiveness in allergic sheep (217) 119
Ahmed, A., see Abraham, W.M. (217) 119
Aikawa, T., see Morikawa, M. (217) 31
Allescher, H.-D., Sattler, D., Piller, C., Schusdziarra, V. and Classen, M.
Ascending neural pathways in the rat ileum in vitro – effect of capsaicin and involvement of nitric oxide (217) 153
Amalric, M., Heurteaux, C., Nieoullon, A. and Lazdunski, M.
Behavioral effects of modulators of ATP-sensitive K^+ channels in the rat dorsal pallidum (217) 71
Anestis, D.K., see Gruetter, C.A. (217) 109
Aubert, I., Cécyre, D., Gauthier, S. and Quirion, R.
Characterization and autoradiographic distribution of [^{3}H]AF-DX 384 binding to putative muscarinic M_2 receptors in the rat brain (217) 173

Barrett, J.E. and Gleeson, S.
Discriminative stimulus effects of 8-OH-DPAT in pigeons: antagonism studies with the putative 5-HT_{1A} receptor antagonists BMY 7378 and NAN-190 (217) 163
Bast, A., see Jansen, F.P. (217) 203
Bäumert, H.G., see Lambrecht, G. (217) 217
Bell, R.L., see Abraham, W.M. (217) 119
Bond, E.F., Heitkemper, M.M. and Gruver, M.K.
Mediation of thyrotropin-releasing hormone induced gastric motility increases in developing rats (217) 127
Bost, J.G.P.J., see Marjorie, (217) 49
Bouska, J., see Abraham, W.M. (217) 119
Braida, D., see Sala, M. (217) 37
Braquet, P., see Pons, F. (217) 65
Bungardt, E., see Lambrecht, G. (217) 217
Bustamante, D., see Miranda, H.F. (217) 137

Calcaterra, P., see Sala, M. (217) 37
Cécyre, D., see Aubert, I. (217) 173
Chang, J.-H., see Huang, H.-C. (217) 143
Chen, C.-C., see Huang, H.-C. (217) 143
Classen, M., see Allescher, H.-D. (217) 153
Clement, H.-W., Gemsa, D. and Wesemann, W.
The effect of adrenergic drugs on serotonin metabolism in the nucleus raphe dorsalis of the rat, studied by in vivo voltammetry (217) 43
Codd, E.E. and Shank, R.P.
1,3-Di(2-[5-^{3}H]tolyl)guanidine labels more than one site in rat forebrain (217) 149
Connelly, C.D., see Raffa, R.B. (217) 221
Cortes, A., see Abraham, W.M. (217) 119
Cortesini, C., see Gentilini, G. (217) 9

Del Río, J., see Pérez-Otaño, I. (217) 211
Duarte, I.D.G., Santos, I.R., Lorenzetti, B.B. and Ferreira, S.H.
Analgesia by direct antagonism of nociceptor sensitization involves the arginine-nitric oxide–cGMP pathway (217) 225
Durlach-Misteli, C. and Van Ree, J.M.
Dopamine and melatonin in the nucleus accumbens may be implicated in the mode of action of antidepressant drugs (217) 15

Faccioli, L.H., see Ferreira, S.H. (217) 207
Fernandez, E., see Miranda, H.F. (217) 137
Ferreira, S.H., Lorenzetti, B.B. and Faccioli, L.H.
Blockade of hyperalgesia and neurogenic oedema by topical application of nitroglycerin (217) 207
Ferreira, S.H., see Duarte, I.D.G. (217) 225
Franchi-Micheli, S., see Gentilini, G. (217) 9
French, E.D.
Competitive NMDA receptor antagonists attenuate phencyclidine-induced excitations of A10 dopamine neurons (217) 1
Friebe, T., see Lambrecht, G. (217) 217
Fujii, T., see Murai, M. (217) 23

Gauthier, S., see Aubert, I. (217) 173
Gayet, J., see Ginefri-Gayet, M. (217) 85
Gemsa, D., see Clement, H.-W. (217) 43
Gentilini, G., Franchi-Micheli, S., Pantalone, D., Cortesini, C. and Zilletti, L.
$GABA_B$ receptor-mediated mechanisms in human intestine in vitro (217) 9
Ginefri-Gayet, M. and Gayet, J.
Involvement of serotonin receptors in methionine sulfoximine-induced hypothermia in the rat (217) 85
Gleeson, S., see Barrett, J.E. (217) 163
Gori, E., see Sala, M. (217) 37
Grimm, U., see Lambrecht, G. (217) 217
Gruetter, C.A., Lemke, S.M., Anestis, D.K., Szarek, J.L. and Valentovic, M.A.
Potentiation of 5-hydroxytryptamine-induced contraction in rat aorta by chlorpheniramine, citalopram and fluoxetine (217) 109
Gruver, M.K., see Bond, E.F. (217) 127

Hamada, T., see Kamisaki, Y. (217) 57
Hamahashi, T., see Kamisaki, Y. (217) 57
Harris, B., Moody, E. and Skolnick, P.
Isoflurane anesthesia is stereoselective (217) 215
Heitkemper, M.M., see Bond, E.F. (217) 127
Herrero, M.T., see Pérez-Otaño, I. (217) 211
Hess, H.-J., see Nagahisa, A. (217) 191
Heurteaux, C., see Amalric, M. (217) 71
Hildebrandt, C., see Lambrecht, G. (217) 217
Hinz, W., see Abraham, W.M. (217) 119
Huang, H.-C., Huang, Y.-L., Chang, J.-H., Chen, C.-C. and Lee, Y.-T.
Possible mechanism of immunosuppressive effect of scoparone (6,7-dimethoxycoumarin) (217) 143
Huang, Y.-L., see Huang, H.-C. (217) 143

Inomata, H., Ji, J.J. and Utagawa, A.
Possible involvement of Ca^{2+}-related inward current in P_2-purinoceptor-mediated depolarization of the guinea-pig vas deferens (217) 93
Itoh, T., see Kamisaki, Y. (217) 57
Itoh, T., see Suzuki, S. (217) 97

Jansen, F.P., Rademaker, B., Bast, A. and Timmerman, H.
The first radiolabeled histamine H_3 receptor antagonist, [^{125}I]iodophenpropit: saturable and reversible binding to rat cortex membranes (217) 203
Ji, J.J., see Inomata, H. (217) 93

Kajikuri, J., see Suzuki, S. (217) 97
Kamisaki, Y., Hamahashi, T., Hamada, T., Maeda, K. and Itoh, T.
Presynaptic inhibition by clonidine of neurotransmitter amino acid release in various brain regions (217) 57
Kanai, Y., see Nagahisa, A. (217) 191
Kramer, V., see Miranda, H.F. (217) 137
Kupsch, A., see Pérez-Otaño, I. (217) 211

Lagente, V., see Pons, F. (217) 65
Lambrecht, G., Friebe, T., Grimm, U., Windscheif, U., Bungardt, E., Hildebrandt, C., Bäumert, H.G., Spatz-Kümbel, G. and Mutschler, E.
PPADS, a novel functionally selective antagonist of P_2 purinoceptor-mediated responses (217) 217
Lanni, C., see Abraham, W.M. (217) 119
Larson, A.A., see Mousseau, D.D. (217) 197
Lazdunski, M., see Amalric, M. (217) 71
Lee, Y.-T., see Huang, H.-C. (217) 143
Leenders, P.J.A., see Marjorie, (217) 49
Lemke, S.M., see Gruetter, C.A. (217) 109
Leone, M.P., see Sala, M. (217) 37
Lorenzetti, B.B., see Duarte, I.D.G. (217) 225
Lorenzetti, B.B., see Ferreira, S.H. (217) 207
Lowe III, J.A., see Nagahisa, A. (217) 191
Luquin, M.R., see Pérez-Otaño, I. (217) 211

Maeda, K., see Kamisaki, Y. (217) 57
Maeda, Y., see Murai, M. (217) 23
Marjorie, , Nelissen-Vrancken, H.J.M.G., Leenders, P.J.A., Bost, J.G.P.J., Struijker-Boudier, H.A.J. and Smits, J.F.M.
Comparison of angiotensin-converting enzyme inhibitors in the rat in perfused hindlimbs and in vivo (217) 49
Martinez, R.P., see Raffa, R.B. (217) 221
Mencia-Huerta, J.M., see Pons, F. (217) 65
Michiaki, T., see Takao, A. (217) 101
Miranda, H.F., Bustamante, D., Kramer, V., Pelissier, T., Saavedra, H., Paeile, C., Fernandez, E. and Pinardi, G.
Antinociceptive effects of Ca^{2+} channel blockers (217) 137
Moody, E., see Harris, B. (217) 215
Morikawa, M., Aikawa, T., Sekizawa, K., Ohrui, T., Sasaki, H. and Takishima, T.
Inhibitory actions of prostaglandin E_1 on neurogenic plasma extravasation in rat airways (217) 31
Morimoto, H., see Murai, M. (217) 23
Mousseau, D.D., Sun, X. and Larson, A.A.
Identification of a novel receptor mediating substance P-induced behavior in the mouse (217) 197
Murai, M., Morimoto, H., Maeda, Y. and Fujii, T.
Effects of the tripeptide substance P antagonist, FR113680, on airway constriction and airway edema induced by neurokinins in guinea-pigs (217) 23
Mutschler, E., see Lambrecht, G. (217) 217

Nagahisa, A., Kanai, Y., Suga, O., Taniguchi, K., Tsuchiya, M., Lowe III, J.A. and Hess, H.-J.
Antiinflammatory and analgesic activity of a non-peptide substance P receptor antagonist (217) 191
Nelissen-Vrancken, H.J.M.G., see Marjorie, (217) 49
Nieoullon, A., see Amalric, M. (217) 71

Obeso, J.A., see Pérez-Otaño, I. (217) 211
Oertel, W., see Pérez-Otaño, I. (217) 211
Ohrui, T., see Morikawa, M. (217) 31
Oset, C., see Pérez-Otaño, I. (217) 211

Paeile, C., see Miranda, H.F. (217) 137
Pang, C.C.Y., see Abdelrahman, A. (217) 185
Pantalone, D., see Gentilini, G. (217) 9
Pelissier, T., see Miranda, H.F. (217) 137
Pérez-Otaño, I., Oset, C., Herrero, M.T., Luquin, M.R., Kupsch, A., Oertel, W., Obeso, J.A. and Del Río, J.
Neurotoxic effect of prenatal exposure to MPTP on the dopaminergic systems of the marmoset brain (217) 211
Piller, C., see Allescher, H.-D. (217) 153
Pinardi, G., see Miranda, H.F. (217) 137
Pons, F., Touvay, C., Lagente, V., Mencia-Huerta, J.M. and Braquet, P.
Involvement of a phosphoramidon-sensitive endopeptidase in the processing of big endothelin-1 in the guinea-pig (217) 65

Quirion, R., see Aubert, I. (217) 173

Rademaker, B., see Jansen, F.P. (217) 203
Raffa, R.B., Connelly, C.D. and Martinez, R.P.
Opioid efficacy is linked to the LiCl-sensitive, inositol-1,4,5-trisphosphate-restorable pathway (217) 221
Russell, S.N., see Smirnov, S.V. (217) 105

Saavedra, H., see Miranda, H.F. (217) 137
Sala, M., Braida, D., Calcaterra, P., Leone, M.P. and Gori, E.
Dose-dependent conditioned place preference produced by etonitazene and morphine (217) 37
Santos, I.R., see Duarte, I.D.G. (217) 225
Sasaki, H., see Morikawa, M. (217) 31
Sattler, D., see Allescher, H.-D. (217) 153
Schusdziarra, V., see Allescher, H.-D. (217) 153
Sekizawa, K., see Morikawa, M. (217) 31
Shank, R.P., see Codd, E.E. (217) 149
Shibata, S., see Tominaga, K. (217) 79
Shinji, H., see Takao, A. (217) 101
Sielczak, M.W., see Abraham, W.M. (217) 119
Skolnick, P., see Harris, B. (217) 215
Smirnov, S.V., Aaronson, P.I. and Russell, S.N.
Cromakalim does not act as a calcium antagonist in isolated human mesenteric artery cells (217) 105
Smits, J.F.M., see Marjorie, (217) 49
Spatz-Kümbel, G., see Lambrecht, G. (217) 217
Struijker-Boudier, H.A.J., see Marjorie, (217) 49
Suga, O., see Nagahisa, A. (217) 191
Sun, X., see Mousseau, D.D. (217) 197
Suzuki, A., see Suzuki, S. (217) 97
Suzuki, S., Suzuki, A., Kajikuri, J. and Itoh, T.
Endothelin-1-induced prostaglandin E_2 production: modulation of contractile response to endothelin-1 in porcine coronary artery (217) 97
Szarek, J.L., see Gruetter, C.A. (217) 109

Takao, A., Tohru, K., Michiaki, T. and Shinji, H.
Effects of BY-1949 on evoked responses of cortical blood flow and Meynert neurons (217) 101

Takishima, T., see Morikawa, M. (217) 31
Taniguchi, K., see Nagahisa, A. (217) 191
Timmerman, H., see Jansen, F.P. (217) 203
Tohru, K., see Takao, A. (217) 101
Tominaga, K., Shibata, S., Ueki, S. and Watanabe, S.
Effects of inhibitory and excitatory drugs on the metabolic rhythm of the hamster suprachiasmatic nucleus in vitro (217) 79
Touvay, C., see Pons, F. (217) 65
Tsuchiya, M., see Nagahisa, A. (217) 191

Ueki, S., see Tominaga, K. (217) 79
Utagawa, A., see Inomata, H. (217) 93

Valentovic, M.A., see Gruetter, C.A. (217) 109
Van Ree, J.M., see Durlach-Misteli, C. (217) 15

Watanabe, S., see Tominaga, K. (217) 79
Wesemann, W., see Clement, H.-W. (217) 43
Windscheif, U., see Lambrecht, G. (217) 217

Zilletti, L., see Gentilini, G. (217) 9

European Journal of Pharmacology, 217 (1992) 233–238
© 1992 Elsevier Science Publishers B.V. All rights reserved 0014-2999/92/$05.00

Key word index

α_2-Adrenoceptors (presynaptic)
Clonidine; Aspartate; Glutamate; GABA (γ-aminobutyric acid); Brain (rat) (Kamisaki, Y. (217) 57)

[^{3}H]AF-DX 384
Muscarinic receptors; Muscarinic M_2 receptor subtype; Receptor binding techniques; Autoradiography (Aubert, I. (217) 173)

Airway constriction
Substance P; Neurokinin A; Capsaicin; Field stimulation; Airway edema (Murai, M. (217) 23)

Airway edema
Substance P; Neurokinin A; Capsaicin; Field stimulation; Airway constriction (Murai, M. (217) 23)

Airway hyperresponsiveness
5-Lipoxygenase; Leukotrienes; Asthma; Inflammation; (Late responses) (Abraham, W.M. (217) 119)

AMP-PNP (5′-adenylylimidophosphate)
Vas deferens (guinea-pig); Ca^{2+}-related inward currents; P_2 purinoceptors (Inomata, H. (217) 93)

Analgesia
Lithium chloride; Opioids (Raffa, R.B. (217) 221)

Nitric oxide (NO); Dipyrone (Duarte, I.D.G. (217) 225)

Anesthesia
Isoflurane; Stereoisomers (Harris, B. (217) 215)

A10 neurons
Phencyclidine; NMDA receptor antagonists; Ventral tegmental area (French, E.D. (217) 1)

Angiotensin-converting enzyme activity
Hindlimb perfusion model; Angiotensin-converting enzyme inhibitors; Renin–angiotensin system (local) (Marjorie, (217) 49)

Angiotensin-converting enzyme inhibitors
Hindlimb perfusion model; Renin–angiotensin system (local); Angiotensin-converting enzyme activity (Marjorie, (217) 49)

Antidepressant drugs
Dopamine; Melatonin; Nucleus accumbens; Receptor supersensitivity (Durlach-Misteli, C. (217) 15)

Antinociception
Formalin test; Writhing test; Hot-plate test; Ca^{2+} channel blockers (Miranda, H.F. (217) 137)

Aorta (rat)
5-HT (5-hydroxytryptamine, serotonin); Contraction; Uptake; Imipramine; Chlorpheniramine; Citalopram; Fluoxetine; Cocaine; Pargyline; Endothelium (Gruetter, C.A. (217) 109)

Aspartate
Clonidine; α_2-Adrenoceptors (presynaptic); Glutamate; GABA (γ-aminobutyric acid); Brain (rat) (Kamisaki, Y. (217) 57)

Asthma
5-Lipoxygenase; Leukotrienes; Airway hyperresponsiveness; Inflammation; (Late responses) (Abraham, W.M. (217) 119)

Atropine
Ketanserin; p-Chlorophenylalanine; Xylamidine; MDL 72222 (Bond, E.F. (217) 127)

Autoradiography
[^{3}H]AF-DX 384; Muscarinic receptors; Muscarinic M_2 receptor subtype; Receptor binding techniques (Aubert, I. (217) 173)

Baclofen
GABA (γ-aminobutyric acid); Jejunum (human); Colon (human); Intestinal motility (Gentilini, G. (217) 9)

Behavioural desensitization
Substance P (N-terminal fragments); Substance P-(1–7); Opioid receptor antagonists (Mousseau, D.D. (217) 197)

Benzodiazepine receptors
Circadian rhythm; Suprachiasmatic nucleus; 2-Deoxyglucose uptake; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); $GABA_A$ receptors (Tominaga, K. (217) 79)

Betaxolol
Methionine sulfoximine; Hypothermia; Pindolol; Propranolol; Ketanserin; ICI 118,551; 5-HT_1 receptors (Ginefri-Gayet, M. (217) 85)

Big endothelin-1
Endothelin-1; Bronchoconstriction; Hypertension; Metallopeptidases (Pons, F. (217) 65)

σ Binding sites
DTG (1,3-di-(2-[5-^{3}H]tolyl)guanidine); R(+)-3-PPP (R(+)-3-(3-hydroxyphenyl)-N-(n-propyl)piperidine) (Codd, E.E. (217) 149)

BMY 7378
5-HT_{1A} receptor agonists; 5-HT_{1A} receptor antagonists; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); NAN-190; Drug discrimination; (±)-Pindolol; Prazosin; Eltoprazine; RU 24969; TFMPP (1-[3-(trifluoromethyl)phenyl]piperazine); (Pigeon) (Barrett, J.E. (217) 163)

Brain (rat)
Clonidine; α_2-Adrenoceptors (presynaptic); Aspartate; Glutamate; GABA (γ-aminobutyric acid) (Kamisaki, Y. (217) 57)

Bronchoconstriction
Endothelin-1; Big endothelin-1; Hypertension; Metallopeptidases (Pons, F. (217) 65)

BY-1949
Cerebral blood flow; Nucleus basalis of Meynert; (Rat) (Takao, A. (217) 101)

Ca^{2+} channel blockers
Antinociception; Formalin test; Writhing test; Hot-plate test (Miranda, H.F. (217) 137)

Calcium channels
Cromakalim; Vasodilators; Mesenteric artery (human); Smooth muscle (vascular) (Smirnov, S.V. (217) 105)

Capsaicin
Substance P; Neurokinin A; Field stimulation; Airway constriction; Airway edema (Murai, M. (217) 23)

Neurogenic inflammation; Neuropeptides (Morikawa, M. (217) 31)

Small intestine; Nitric oxide (NO); Intestinal motility; Ileum (rat) (Allescher, H.-D. (217) 153)

Neurogenic inflammation; Plasma extravasation; Substance P antagonists; Tachykinins; Pain (Nagahisa, A. (217) 191)

Ca^{2+}-related inward currents
Vas deferens (guinea-pig); AMP-PNP (5′-adenylylimidophosphate); P_2 purinoceptors (Inomata, H. (217) 93)

Cerebral blood flow
BY-1949; Nucleus basalis of Meynert; (Rat) (Takao, A. (217) 101)

CGRP (calcitonin gene-related peptide)
Circulatory filling pressure (mean); Venous tone; Noradrenaline; Ganglionic blockers (Abdelrahman, A. (217) 185)

p-Chlorophenylalanine
Ketanserin; Atropine; Xylamidine; MDL 72222 (Bond, E.F. (217) 127)

Chlorpheniramine
5-HT (5-hydroxytryptamine, serotonin); Aorta (rat); Contraction; Uptake; Imipramine; Citalopram; Fluoxetine; Cocaine; Pargyline; Endothelium (Gruetter, C.A. (217) 109)

Circadian rhythm
Suprachiasmatic nucleus; 2-Deoxyglucose uptake; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); $GABA_A$ receptors; Benzodiazepine receptors (Tominaga, K. (217) 79)

Circulatory filling pressure (mean)
CGRP (calcitonin gene-related peptide); Venous tone; Noradrenaline; Ganglionic blockers (Abdelrahman, A. (217) 185)

Citalopram
5-HT (5-hydroxytryptamine, serotonin); Aorta (rat); Contraction; Uptake; Imipramine; Chlorpheniramine; Fluoxetine; Cocaine; Pargyline; Endothelium (Gruetter, C.A. (217) 109)

Clonidine
α_2-Adrenoceptors (presynaptic); Aspartate; Glutamate; GABA (γ-aminobutyric acid); Brain (rat) (Kamisaki, Y. (217) 57)

Cocaine
5-HT (5-hydroxytryptamine, serotonin); Aorta (rat); Contraction; Uptake; Imipramine; Chlorpheniramine; Citalopram; Fluoxetine; Pargyline; Endothelium (Gruetter, C.A. (217) 109)

Colon (human)
GABA (γ-aminobutyric acid); Baclofen; Jejunum (human); Intestinal motility (Gentilini, G. (217) 9)

Conditioned place preference
Etonitazene; Morphine (Sala, M. (217) 37)

Contraction
5-HT (5-hydroxytryptamine, serotonin); Aorta (rat); Uptake; Imipramine; Chlorpheniramine; Citalopram; Fluoxetine; Cocaine; Pargyline; Endothelium (Gruetter, C.A. (217) 109)

Coronary artery (porcine)
Endothelin-1; Prostaglandin E_2; Smooth muscle (vascular) (Suzuki, S. (217) 97)

Cromakalim
Calcium channels; Vasodilators; Mesenteric artery (human); Smooth muscle (vascular) (Smirnov, S.V. (217) 105)

2-Deoxyglucose uptake
Circadian rhythm; Suprachiasmatic nucleus; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); $GABA_A$ receptors; Benzodiazepine receptors (Tominaga, K. (217) 79)

Dipyrone
Nitric oxide (NO); Analgesia (Duarte, I.D.G. (217) 225)

Dopamine
Melatonin; Nucleus accumbens; Antidepressant drugs; Receptor supersensitivity (Durlach-Misteli, C. (217) 15)

MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine); Parkinson's disease (Pérez-Otaño, I. (217) 211)

Dorsal pallidum
Sulfonylureas; K^+ channels (ATP-sensitive); Motor control (Amalric, M. (217) 71)

Drug discrimination
$5\text{-}HT_{1A}$ receptor agonists; $5\text{-}HT_{1A}$ receptor antagonists; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); NAN-190; BMY 7378; (±)-Pindolol; Prazosin; Eltoprazine; RU 24969; TFMPP (1-[3-(trifluoromethyl)phenyl]piperazine); (Pigeon) (Barrett, J.E. (217) 163)

DTG (1,3-di-(2-[5-^{3}H]tolyl)guanidine)
σ Binding sites; R(+)-3-PPP (R(+)-3-(3-hydroxyphenyl)-N-(n-propyl)piperidine) (Codd, E.E. (217) 149)

Eltoprazine
$5\text{-}HT_{1A}$ receptor agonists; $5\text{-}HT_{1A}$ receptor antagonists; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); NAN-190; BMY 7378; Drug discrimination; (±)-Pindolol; Prazosin; RU 24969; TFMPP (1-[3-(trifluoromethyl)phenyl]piperazine); (Pigeon) (Barrett, J.E. (217) 163)

Endothelin-1
Big endothelin-1; Bronchoconstriction; Hypertension; Metallopeptidases (Pons, F. (217) 65)

Prostaglandin E_2; Smooth muscle (vascular); Coronary artery (porcine) (Suzuki, S. (217) 97)

Endothelium
5-HT (5-hydroxytryptamine, serotonin); Aorta (rat); Contraction; Uptake; Imipramine; Chlorpheniramine; Citalopram; Fluoxetine; Cocaine; Pargyline (Gruetter, C.A. (217) 109)

Etonitazene
Morphine; Conditioned place preference (Sala, M. (217) 37)

Field stimulation
Substance P; Neurokinin A; Capsaicin; Airway constriction; Airway edema (Murai, M. (217) 23)

Fluoxetine
5-HT (5-hydroxytryptamine, serotonin); Aorta (rat); Contraction; Uptake; Imipramine; Chlorpheniramine; Citalopram; Cocaine; Pargyline; Endothelium (Gruetter, C.A. (217) 109)

Formalin test
Antinociception; Writhing test; Hot-plate test; Ca^{2+} channel blockers (Miranda, H.F. (217) 137)

GABA (γ-aminobutyric acid)
Baclofen; Jejunum (human); Colon (human); Intestinal motility (Gentilini, G. (217) 9)

Clonidine; α_2-Adrenoceptors (presynaptic); Aspartate; Glutamate; Brain (rat) (Kamisaki, Y. (217) 57)

$GABA_A$ receptors
Circadian rhythm; Suprachiasmatic nucleus; 2-Deoxyglucose uptake; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); Benzodiazepine receptors (Tominaga, K. (217) 79)

Ganglionic blockers
CGRP (calcitonin gene-related peptide); Circulatory filling pressure (mean); Venous tone; Noradrenaline (Abdelrahman, A. (217) 185)

Glutamate
Clonidine; α_2-Adrenoceptors (presynaptic); Aspartate; GABA (γ-aminobutyric acid); Brain (rat) (Kamisaki, Y. (217) 57)

Hindlimb perfusion model
Angiotensin-converting enzyme inhibitors; Renin–angiotensin system (local); Angiotensin-converting enzyme activity (Marjorie, (217) 49)

Histamine H_3 receptor antagonist (radiolabeled)
Histamine H_3 receptors; [^{125}I]Iodophenpropit binding (Jansen, F.P. (217) 203)

Histamine H_3 receptors
Histamine H_3 receptor antagonist (radiolabeled); [^{125}I]Iodophenpropit binding (Jansen, F.P. (217) 203)

Hot-plate test
Antinociception; Formalin test; Writhing test; Ca^{2+} channel blockers (Miranda, H.F. (217) 137)

5-HT (5-hydroxytryptamine, serotonin)
Norepinephrine; Nucleus raphe dorsalis; Locus coeruleus; Voltammetry (in vivo); (Rat) (Clement, H.-W. (217) 43)

Aorta (rat); Contraction; Uptake; Imipramine; Chlorpheniramine; Citalopram; Fluoxetine; Cocaine; Pargyline; Endothelium (Gruetter, C.A. (217) 109)

$5\text{-}HT_{1A}$ receptor agonists
$5\text{-}HT_{1A}$ receptor antagonists; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); NAN-190; BMY 7378; Drug discrimination; (±)-Pindolol; Prazosin; Eltoprazine; RU 24969; TFMPP (1-[3-(trifluoromethyl)phenyl]piperazine); (Pigeon) (Barrett, J.E. (217) 163)

$5\text{-}HT_{1A}$ receptor antagonists
$5\text{-}HT_{1A}$ receptor agonists; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); NAN-190; BMY 7378; Drug discrimination; (±)-Pindolol; Prazosin; Eltoprazine; RU 24969; TFMPP (1-[3-(trifluoromethyl)phenyl]piperazine); (Pigeon) (Barrett, J.E. (217) 163)

$5\text{-}HT_1$ receptors
Methionine sulfoximine; Hypothermia; Pindolol; Propranolol; Ketanserin; Betaxolol; ICI 118,551 (Ginefri-Gayet, M. (217) 85)

Hyperalgesia
Nitric oxide (NO); Neurogenic oedema (Ferreira, S.H. (217) 207)

Hypertension
Endothelin-1; Big endothelin-1; Bronchoconstriction; Metallopeptidases (Pons, F. (217) 65)

Hypothermia
Methionine sulfoximine; Pindolol; Propranolol; Ketanserin; Betaxolol; ICI 118,551; $5\text{-}HT_1$ receptors (Ginefri-Gayet, M. (217) 85)

ICI 118,551
Methionine sulfoximine; Hypothermia; Pindolol; Propranolol; Ketanserin; Betaxolol; $5\text{-}HT_1$ receptors (Ginefri-Gayet, M. (217) 85)

Ileum (rat)
Small intestine; Capsaicin; Nitric oxide (NO); Intestinal motility (Allescher, H.-D. (217) 153)

Imipramine
5-HT (5-hydroxytryptamine, serotonin); Aorta (rat); Contraction; Uptake; Chlorpheniramine; Citalopram; Fluoxetine; Cocaine; Pargyline; Endothelium (Gruetter, C.A. (217) 109)

Immunosuppressants
Scoparone; Tyrosine kinase inhibitor (Huang, H.-C. (217) 143)

Inflammation
5-Lipoxygenase; Leukotrienes; Asthma; Airway hyperresponsiveness; (Late responses) (Abraham, W.M. (217) 119)

Intestinal motility
GABA (γ-aminobutyric acid); Baclofen; Jejunum (human); Colon (human) (Gentilini, G. (217) 9)

Small intestine; Capsaicin; Nitric oxide (NO); Ileum (rat) (Allescher, H.-D. (217) 153)

[^{125}I]Iodophenpropit binding
Histamine H_3 receptors; Histamine H_3 receptor antagonist (radiolabeled) (Jansen, F.P. (217) 203)

Isoflurane
Anesthesia; Stereoisomers (Harris, B. (217) 215)

Jejunum (human)
GABA (γ-aminobutyric acid); Baclofen; Colon (human); Intestinal motility (Gentilini, G. (217) 9)

K^+ channels (ATP-sensitive)
Sulfonylureas; Motor control; Dorsal pallidum (Amalric, M. (217) 71)

Ketanserin
Methionine sulfoximine; Hypothermia; Pindolol; Propranolol; Betaxolol; ICI 118,551; $5\text{-}HT_1$ receptors (Ginefri-Gayet, M. (217) 85)

p-Chlorophenylalanine; Atropine; Xylamidine; MDL 72222 (Bond, E.F. (217) 127)

Leukotrienes
5-Lipoxygenase; Asthma; Airway hyperresponsiveness; Inflammation; (Late responses) (Abraham, W.M. (217) 119)

5-Lipoxygenase
Leukotrienes; Asthma; Airway hyperresponsiveness; Inflammation; (Late responses) (Abraham, W.M. (217) 119)

Lithium chloride
Analgesia; Opioids (Raffa, R.B. (217) 221)

Locus coeruleus
5-HT (5-hydroxytryptamine, serotonin); Norepinephrine; Nucleus raphe dorsalis; Voltammetry (in vivo); (Rat) (Clement, H.-W. (217) 43)

MDL 72222
Ketanserin; p-Chlorophenylalanine; Atropine; Xylamidine (Bond, E.F. (217) 127)

Melatonin
Dopamine; Nucleus accumbens; Antidepressant drugs; Receptor supersensitivity (Durlach-Misteli, C. (217) 15)

Mesenteric artery (human)
Calcium channels; Cromakalim; Vasodilators; Smooth muscle (vascular) (Smirnov, S.V. (217) 105)

Metallopeptidases
Endothelin-1; Big endothelin-1; Bronchoconstriction; Hypertension (Pons, F. (217) 65)

Methionine sulfoximine
Hypothermia; Pindolol; Propranolol; Ketanserin; Betaxolol; ICI 118,551; 5-HT_1 receptors (Ginefri-Gayet, M. (217) 85)

Morphine
Etonitazene; Conditioned place preference (Sala, M. (217) 37)

Motor control
Sulfonylureas; K^+ channels (ATP-sensitive); Dorsal pallidum (Amalric, M. (217) 71)

MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine)
Dopamine; Parkinson's disease (Pérez-Otaño, I. (217) 211)

Muscarinic receptors
[^{3}H]AF-DX 384; Muscarinic M_2 receptor subtype; Receptor binding techniques; Autoradiography (Aubert, I. (217) 173)

Muscarinic M_2 receptor subtype
[^{3}H]AF-DX 384; Muscarinic receptors; Receptor binding techniques; Autoradiography (Aubert, I. (217) 173)

NAN-190
5-HT_{1A} receptor agonists; 5-HT_{1A} receptor antagonists; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); BMY 7378; Drug discrimination; (±)-Pindolol; Prazosin; Eltoprazine; RU 24969; TFMPP (1-[3-(trifluoromethyl)phenyl]piperazine); (Pigeon) (Barrett, J.E. (217) 163)

Neurogenic inflammation
Neuropeptides; Capsaicin (Morikawa, M. (217) 31)

Plasma extravasation; Substance P antagonists; Tachykinins; Capsaicin; Pain (Nagahisa, A. (217) 191)

Neurogenic oedema
Nitric oxide (NO); Hyperalgesia (Ferreira, S.H. (217) 207)

Neurokinin A
Substance P; Capsaicin; Field stimulation; Airway constriction; Airway edema (Murai, M. (217) 23)

Neuropeptides
Neurogenic inflammation; Capsaicin (Morikawa, M. (217) 31)

Nitric oxide (NO)
Small intestine; Capsaicin; Intestinal motility; Ileum (rat) (Allescher, H.-D. (217) 153)

Hyperalgesia; Neurogenic oedema (Ferreira, S.H. (217) 207)

Analgesia; Dipyrone (Duarte, I.D.G. (217) 225)

NMDA receptor antagonists
Phencyclidine; Ventral tegmental area; A10 neurons (French, E.D. (217) 1)

Noradrenaline
CGRP (calcitonin gene-related peptide); Circulatory filling pressure (mean); Venous tone; Ganglionic blockers (Abdelrahman, A. (217) 185)

Norepinephrine
5-HT (5-hydroxytryptamine, serotonin); Nucleus raphe dorsalis; Locus coeruleus; Voltammetry (in vivo); (Rat) (Clement, H.-W. (217) 43)

Nucleus accumbens
Dopamine; Melatonin; Antidepressant drugs; Receptor supersensitivity (Durlach-Misteli, C. (217) 15)

Nucleus basalis of Meynert
BY-1949; Cerebral blood flow; (Rat) (Takao, A. (217) 101)

Nucleus raphe dorsalis
5-HT (5-hydroxytryptamine, serotonin); Norepinephrine; Locus coeruleus; Voltammetry (in vivo); (Rat) (Clement, H.-W. (217) 43)

8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin)
Circadian rhythm; Suprachiasmatic nucleus; 2-Deoxyglucose uptake; $GABA_A$ receptors; Benzodiazepine receptors (Tominaga, K. (217) 79)

5-HT_{1A} receptor agonists; 5-HT_{1A} receptor antagonists; NAN-190; BMY 7378; Drug discrimination; (±)-Pindolol; Prazosin; Eltoprazine; RU 24969; TFMPP (1-[3-(trifluoromethyl)phenyl]piperazine); (Pigeon) (Barrett, J.E. (217) 163)

Opioid receptor antagonists
Substance P (N-terminal fragments); Substance P-(1–7); Behavioural desensitization (Mousseau, D.D. (217) 197)

Opioids
Lithium chloride; Analgesia (Raffa, R.B. (217) 221)

Pain
Neurogenic inflammation; Plasma extravasation; Substance P antagonists; Tachykinins; Capsaicin (Nagahisa, A. (217) 191)

Pargyline
5-HT (5-hydroxytryptamine, serotonin); Aorta (rat); Contraction; Uptake; Imipramine; Chlorpheniramine; Citalopram; Fluoxetine; Cocaine; Endothelium (Gruetter, C.A. (217) 109)

Parkinson's disease
MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine); Dopamine (Pérez-Otaño, I. (217) 211)

Phencyclidine
NMDA receptor antagonists; Ventral tegmental area; A10 neurons (French, E.D. (217) 1)

Pindolol
Methionine sulfoximine; Hypothermia; Propranolol; Ketanserin; Betaxolol; ICI 118,551; 5-HT_1 receptors (Ginefri-Gayet, M. (217) 85)

(±)-Pindolol
5-HT_{1A} receptor agonists; 5-HT_{1A} receptor antagonists; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); NAN-190; BMY 7378; Drug discrimination; Prazosin; Eltoprazine; RU 24969; TFMPP (1-[3-(trifluoromethyl)phenyl]piperazine); (Pigeon) (Barrett, J.E. (217) 163)

Plasma extravasation
Neurogenic inflammation; Substance P antagonists; Tachykinins; Capsaicin; Pain (Nagahisa, A. (217) 191)

PPADS (pyridoxalphosphate-6-azophenyl-2′,4′-disulfonic acid)
P_2 purinoceptors (antagonists); Vas deferens (rabbit) (Lambrecht, G. (217) 217)

P_2 purinoceptors
Vas deferens (guinea-pig); Ca^{2+}-related inward currents; AMP-PNP (5′-adenylylimidophosphate) (Inomata, H. (217) 93)

P_2 purinoceptors (antagonists)
PPADS (pyridoxalphosphate-6-azophenyl-2′,4′-disulfonic acid); Vas deferens (rabbit) (Lambrecht, G. (217) 217)

Prazosin
5-HT_{1A} receptor agonists; 5-HT_{1A} receptor antagonists; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); NAN-190; BMY 7378; Drug discrimination; (±)-Pindolol; Eltoprazine; RU 24969; TFMPP (1-[3-(trifluoromethyl)phenyl]piperazine); (Pigeon) (Barrett, J.E. (217) 163)

Propranolol
Methionine sulfoximine; Hypothermia; Pindolol; Ketanserin; Betaxolol; ICI 118,551; 5-HT_1 receptors (Ginefri-Gayet, M. (217) 85)

Prostaglandin E_2
Endothelin-1; Smooth muscle (vascular); Coronary artery (porcine) (Suzuki, S. (217) 97)

Receptor binding techniques
[^{3}H]AF-DX 384; Muscarinic receptors; Muscarinic M_2 receptor subtype; Autoradiography (Aubert, I. (217) 173)

Receptor supersensitivity
Dopamine; Melatonin; Nucleus accumbens; Antidepressant drugs (Durlach-Misteli, C. (217) 15)

Renin–angiotensin system (local)
Hindlimb perfusion model; Angiotensin-converting enzyme inhibitors; Angiotensin-converting enzyme activity (Marjorie, (217) 49)

R(+)-3-PPP (R(+)-3-(3-hydroxyphenyl)-N-(n-propyl)piperidine)
σ Binding sites; DTG (1,3-di-(2-[5-^{3}H]tolyl)guanidine) (Codd, E.E. (217) 149)

RU 24969
5-HT_{1A} receptor agonists; 5-HT_{1A} receptor antagonists; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); NAN-190; BMY 7378; Drug discrimination; (±)-Pindolol; Prazosin; Eltoprazine; TFMPP (1-[3-(trifluoromethyl)phenyl]piperazine); (Pigeon) (Barrett, J.E. (217) 163)

Scoparone
Immunosuppressants; Tyrosine kinase inhibitor (Huang, H.-C. (217) 143)

Small intestine
Capsaicin; Nitric oxide (NO); Intestinal motility; Ileum (rat) (Allescher, H.-D. (217) 153)

Smooth muscle (vascular)
Endothelin-1; Prostaglandin E_2; Coronary artery (porcine) (Suzuki, S. (217) 97)

Calcium channels; Cromakalim; Vasodilators; Mesenteric artery (human) (Smirnov, S.V. (217) 105)

Stereoisomers
Isoflurane; Anesthesia (Harris, B. (217) 215)

Substance P
Neurokinin A; Capsaicin; Field stimulation; Airway constriction; Airway edema (Murai, M. (217) 23)

Substance P-(1–7)
Substance P (N-terminal fragments); Opioid receptor antagonists; Behavioural desensitization (Mousseau, D.D. (217) 197)

Substance P antagonists
Neurogenic inflammation; Plasma extravasation; Tachykinins; Capsaicin; Pain (Nagahisa, A. (217) 191)

Substance P (N-terminal fragments)
Substance P-(1–7); Opioid receptor antagonists; Behavioural desensitization (Mousseau, D.D. (217) 197)

Sulfonylureas
K^+ channels (ATP-sensitive); Motor control; Dorsal pallidum (Amalric, M. (217) 71)

Suprachiasmatic nucleus
Circadian rhythm; 2-Deoxyglucose uptake; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); $GABA_A$ receptors; Benzodiazepine receptors (Tominaga, K. (217) 79)

Tachykinins
Neurogenic inflammation; Plasma extravasation; Substance P antagonists; Capsaicin; Pain (Nagahisa, A. (217) 191)

TFMPP (1-[3-(trifluoromethyl)phenyl]piperazine)
5-HT_{1A} receptor agonists; 5-HT_{1A} receptor antagonists; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); NAN-190; BMY 7378; Drug discrimination; (±)-Pindolol; Prazosin; Eltoprazine; RU 24969; (Pigeon) (Barrett, J.E. (217) 163)

Tyrosine kinase inhibitor
Immunosuppressants; Scoparone (Huang, H.-C. (217) 143)

Uptake
5-HT (5-hydroxytryptamine, serotonin); Aorta (rat); Contraction; Imipramine; Chlorpheniramine; Citalopram; Fluoxetine; Cocaine; Pargyline; Endothelium (Gruetter, C.A. (217) 109)

Vas deferens (guinea-pig)
Ca^{2+}-related inward currents; AMP-PNP (5′-adenylylimidophosphate); P_2 purinoceptors (Inomata, H. (217) 93)

Vas deferens (rabbit)
PPADS (pyridoxalphosphate-6-azophenyl-2′,4′-disulfonic acid); P_2 purinoceptors (antagonists) (Lambrecht, G. (217) 217)

Vasodilators
Calcium channels; Cromakalim; Mesenteric artery (human); Smooth muscle (vascular) (Smirnov, S.V. (217) 105)

Venous tone
CGRP (calcitonin gene-related peptide); Circulatory filling pressure (mean); Noradrenaline; Ganglionic blockers (Abdelrahman, A. (217) 185)

Ventral tegmental area
Phencyclidine; NMDA receptor antagonists; A10 neurons (French, E.D. (217) 1)

Voltammetry (in vivo)
5-HT (5-hydroxytryptamine, serotonin); Norepinephrine; Nucleus raphe dorsalis; Locus coeruleus; (Rat) (Clement, H.-W. (217) 43)

Writhing test
Antinociception; Formalin test; Hot-plate test; Ca^{2+} channel blockers (Miranda, H.F. (217) 137)

Xylamidine
Ketanserin; p-Chlorophenylalanine; Atropine; MDL 72222 (Bond, E.F. (217) 127)